

SEQUENCE LISTING

| | - | W 8 18 | ADEN | | | بطد | 20 EIA | -11 | | .10 | | | | | | |
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| Val | Glu | Glu | Leu 20 | Gln | Val | Asp | Gln | Leu 25 | Trp | Asp | Val | Leu | Leu 30 | Ser | Arg | |
| Glu | Leu | Phe 35 | Arg | Pro | His | Met | Ile 40 | Glu | Asp | Ile | Gln | Arg 45 | Ala | Gly | Ser | |
| Gly | Ser 50 | Arg | Arg | Asp | Gln | Ala 55 | Arg | Gln | Leu | Ile | Ile 60 | Asp | Leu | Glu | Thr | |
| Arg 65 | Gly | ser Ser | Gln | Ala | Leu 70 | Pro | Leu | Phe | Ile | Ser 75 | Cys | Leu | Glu | Asp | Thr 80 | |
| Gly | Glr | a Asp | Met | Leu 85 | Ala | Ser | Phe | Leu | Arg 90 | Thr | Asn | Arg | Gln | Ala 95 | Gly | |
| Lys | Leu | ı Ser | Lys 100 | Pro | Thr | Leu | Glu | Asn 105 | Leu | Thr | Pro | Val | Val 110 | Leu | Arg | |
| Pro | Glu | Ile 115 | Arg | Lys | Pro | Glu | Val 120 | Leu | Arg | Pro | Glu | Thr 125 | Pro | Arg | Pro | |

Val Asp Ile Gly Ser Gly Gly Phe Gly Asp Val Gly Ala Leu Glu Ser Leu Arg Gly Asn Ala Asp Leu Ala Tyr Ile Leu Ser Met Glu Pro Cys Gly His Cys Leu Ile Ile Asn Asn Val Asn Phe Cys Arg Glu Ser Gly 165 Leu Arg Thr Arg Thr Gly Ser Asn Ile Asp Cys Glu Lys Leu Arg Arg Arg Phe Ser Ser Leu His Phe Met Val Glu Val Lys Gly Asp Leu Thr 200 Ala Lys Lys Met Val Leu Ala Leu Leu Glu Leu Ala Arg Gln Asp His Gly Ala Leu Asp Cys Cys Val Val Val Ile Leu Ser His Gly Cys Gln 235 Ala Ser His Leu Gln Phe Pro Gly Ala Val Tyr Gly Thr Asp Gly Cys Pro Val Ser Val Glu Lys Ile Val Asn Ile Phe Asn Gly Thr Ser Cys 265 Pro Ser Leu Gly Gly Lys Pro Lys Leu Phe Phe Ile Gln Ala Cys Gly Gly Glu Gln Lys Asp His Gly Phe Glu Val Ala Ser Thr Ser Pro Glu 300 Asp Glu Ser Pro Gly Ser Asn Pro Glu Pro Asp Ala Thr Pro Phe Gln 315 Glu Gly Leu Arg Thr Phe Asp Gln Leu Asp Ala Ile Ser Ser Leu Pro 330 Thr Pro Ser Asp Ile Phe Val Ser Tyr Ser Thr Phe Pro Gly Phe Val Ser Trp Arg Asp Pro Lys Ser Gly Ser Trp Tyr Val Glu Thr Leu Asp 360 Asp Ile Phe Glu Gln Trp Ala His Ser Glu Asp Leu Gln Ser Leu Leu Leu Arg Val Ala Asn Ala Val Ser Val Lys Gly Ile Tyr Lys Gln Met 385 Pro Gly Cys Phe Asn Phe Leu Arg Lys Lys Leu Phe Phe Lys Thr Ser 405 410 415

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| ggaggaagag ggacagatga atgccgtgga ttgcacgtgg nctcttgagc agtggctggt | 1500 |
|--|------|
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| ctggacgaca tetttgagca gtgggeteae tetgaagace tgeagteeet eetgettagg | 540 |
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| Leu Gln Phe Pro Gly Ala Val Tyr Gly Thr Asp Gly Cys Pro Val Ser | |
| 35 40 45 | |
| Val Glu Lys Ile Val Asn Ile Phe Asn Gly Thr Ser Cys Pro Ser Leu | |
| Val Glu Lys Tie val Ash Tie Fhe Ash Gly Thi Sci Gy Tie Sci Go 60 | |
| | |
| Gly Gly Lys Pro Lys Leu Phe Phe Ile Gln Ala Cys Gly Gly Glu Gln 65 70 75 80 | |
| | |
| Lys Asp His Gly Phe Glu Val Ala Ser Thr Ser Pro Glu Asp Glu Ser 85 90 95 | |
| | |
| Pro Gly Ser Asn Pro Glu Pro Asp Ala Thr Pro Phe Gln Glu Gly Leu 100 105 110 | |
| 100 105 110 | |

| Arg Thr Phe Asp Gln Leu Asp Ala Ile Ser Ser Leu Pro Thr Pro Ser 115 120 125 | |
|--|----|
| Asp Ile Phe Val Ser Tyr Ser Thr Phe Pro Gly Phe Val Ser Trp Arg 130 135 140 | |
| Asp Pro Lys Ser Gly Ser Trp Tyr Val Glu Thr Leu Asp Asp Ile Phe 145 150 155 160 | |
| Glu Gln Trp Ala His Ser Glu Asp Leu Gln Ser Leu Leu Leu Arg Val 165 170 175 | |
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